7/24 4/21/6

Refine Search

Search Results -

Terms	Documents
L9 and (auxiliar$ same (partition$ or cluster$3) same node)	1

Database:
US Pre-Grant Publication Full-Text Database
US Patents Full-Text Database
US OCR Full-Text Database
EPO Abstracts Database
JPO Abstracts Database
Derwent World Patents Index
IBM Technical Disclosure Bulletins

Search: L10

Refine Search

Recall Text Clear Interrupt

Search History

DATE: Thursday, April 20, 2006 Printable Copy Create Case

Set Name side by side	Query	Hit Count	Set Name result set
	DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=OR		
L10	L9 and (auxiliar$ same (partition$ or cluster$3) same node)	1	L10
L9	L7 and (base near relation)	12	L9
L8	L7 not L6	0	L8
L7	(L1 or L3) and L4	40	L7
L6	(L1 or L3) and L5	40	L6
L5	tuple$1 same (table$1 or row$1 or column$1) same join$3	634	L5
L4	tuple$1 same (table$1 or row$1 or column$1) same join$	634	L4
L3	L2 not L1	28	L3
L2	(materializ$3 or materialis$3) near view$1	374	L2
L1	"materialized view"	346	L1

END OF SEARCH HISTORY

9/14 JL 4/20/6

Refine Search

Search Results -

Terms	Documents
L11 and (join near attribute)	2

Database:

US Pre-Grant Publication Full-Text Database
US Patents Full-Text Database
US OCR Full-Text Database
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Search: L12

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Search History

DATE: Thursday, April 20, 2006 Printable Copy Create Case

Set Name side by side	Query	Hit Count	Set Name result set
	DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=OR		
L12	L11 and (join near attribute)	2	L12
L11	(L1 or L3) and (auxiliar$ same (partition$ or cluster$3 or group$3 or categoriz$3 or categoris$3))	5	L11
L10	L9 and (auxiliar$ same (partition$ or cluster$3) same node)	1	L10
L9	L7 and (base near relation)	12	L9
L8	L7 not L6	0	L8
L7	(L1 or L3) and L4	40	L7
L6	(L1 or L3) and L5	40	L6
L5	tuple$1 same (table$1 or row$1 or column$1) same join$3	634	L5
L4	tuple$1 same (table$1 or row$1 or column$1) same join$	634	L4
L3	L2 not L1	28	L3
L2	(materializ$3 or materialis$3) near view$1	374	L2
L1	"materialized view"	346	L1

END OF SEARCH HISTORY

Refine Search

Search Results -

Terms	Documents
L19 and (join near attribute)	1

Database:
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Search: L24

Refine Search

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Search History

DATE: Thursday, April 20, 2006 Printable Copy Create Case

Set Name side by side	Query	Hit Count	Set Name result set
	DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=OR		
L24	L19 and (join near attribute)	1	L24
L23	L20 and (join near attribute)	2	L23
L22	L21 and (join near attribute)	6	L22
L21	L16 and (base near relation)	27	L21
L20	L17 and (base near relation)	10	L20
L19	L18 and (base near relation)	7	L19
L18	L15 and l2	47	L18
L17	L14 and l2	108	L17
L16	L13 and l2	214	L16
L15	707/200-206.ccls.	6980	L15
L14	707/100-104.1.ccls.	13609	L14
L13	707/1-10.ccls.	20502	L13
L12	L11 and (join near attribute)	2	L12

L11	(L1 or L3) and (auxiliar$ same (partition$ or cluster$3 or group$3 or categoriz$3 or categoris$3))	5	L11
L10	L9 and (auxiliar$ same (partition$ or cluster$3) same node)	1	L10
L9	L7 and (base near relation)	12	L9
L8	L7 not L6	0	L8
L7	(L1 or L3) and L4	40	L7
L6	(L1 or L3) and L5	40	L6
L5	tuple$1 same (table$1 or row$1 or column$1) same join$3	634	L5
L4	tuple$1 same (table$1 or row$1 or column$1) same join$	634	L4
L3	L2 not L1	28	L3
L2	(materializ$3 or materialis$3) near view$1	374	L2
L1	"materialized view"	346	L1

END OF SEARCH HISTORY

1/24/06 4/20/06

Refine Search

Search Results -

Terms	Documents
L5 and (parallel near (database or (data near base)))	2

Database:

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US OCR Full-Text Database
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Search: L6

Refine Search

Recall Text Clear Interrupt

Search History

DATE: Thursday, April 20, 2006 Printable Copy Create Case

Set Name side by side	**Query**	**Hit Count**	**Set Name** result set
	DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=OR		
L6	L5 and (parallel near (database or (data near base)))	2	L6
L5	L4 and L3	7	L5
L4	L1 and L2	37	L4
L3	join near attribute	180	L3
L2	base near relation	18221	L2
L1	(materializ$3 or materialis$3) near view$1	374	L1

END OF SEARCH HISTORY

Hit List

First Hit Clear Generate Collection Print Fwd Refs Bkwd Refs Generate OACS

Search Results - Record(s) 1 through 2 of 2 returned.

☐ 1. Document ID: US 6990503 B1

Using default format because multiple data bases are involved.

L6: Entry 1 of 2 File: USPT Jan 24, 2006

US-PAT-NO: 6990503
DOCUMENT-IDENTIFIER: US 6990503 B1

TITLE: Rescheduling transactions in a database system

DATE-ISSUED: January 24, 2006

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Luo; Gang	Madison	WI		US
Ellmann; Curt J.	Madison	WI		US
Naughton; Jeffrey F.	Madison	WI		US
Watzke; Michael W.	Madison	WI		US

US-CL-CURRENT: 707/200

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De

---

☐ 2. Document ID: US 6952692 B1

L6: Entry 2 of 2 File: USPT Oct 4, 2005

US-PAT-NO: 6952692
DOCUMENT-IDENTIFIER: US 6952692 B1

TITLE: Execution of requests in a parallel database system

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De

---

Clear Generate Collection Print Fwd Refs Bkwd Refs Generate OACS

Terms	Documents
L5 and (parallel near (database or (data near base)))	2

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Previous Page Next Page Go to Doc#

Refine Search

Search Results -

Terms	Documents
L12 and L1	1

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Search: L13

Refine Search

Recall Text Clear Interrupt

Search History

DATE: Thursday, April 20, 2006 Printable Copy Create Case

Set Name side by side	Query	Hit Count	Set Name result set
	DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=OR		
L13	L12 and L1	1	L13
L12	L11 and ("join attribute")	6	L12
L11	L10 and L9	11	L11
L10	"base relation"	3115	L10
L9	"parallel database"	702	L9
L8	L7 and L6	2	L8
L7	707/$.ccls.	33933	L7
L6	L5 and (parallel near (database or (data near base)))	2	L6
L5	L4 and L3	7	L5
L4	L1 and L2	37	L4
L3	join near attribute	180	L3
L2	base near relation	18221	L2
L1	(materializ$3 or materialis$3) near view$1	374	L1

END OF SEARCH HISTORY

Hit List

First Hit Clear Generate Collection Print Fwd Refs Bkwd Refs
Generate OACS

Search Results - Record(s) 1 through 1 of 1 returned.

☐ 1. Document ID: US 6990503 B1

Using default format because multiple data bases are involved.

L13: Entry 1 of 1 File: USPT Jan 24, 2006

US-PAT-NO: 6990503
DOCUMENT-IDENTIFIER: US 6990503 B1

TITLE: Rescheduling transactions in a database system

DATE-ISSUED: January 24, 2006

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Luo; Gang	Madison	WI		US
Ellmann; Curt J.	Madison	WI		US
Naughton; Jeffrey F.	Madison	WI		US
Watzke; Michael W.	Madison	WI		US

US-CL-CURRENT: 707/200

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De

Clear Generate Collection Print Fwd Refs Bkwd Refs Generate OACS

Terms	Documents
L12 and L1	1

Display Format: - Change Format

Previous Page Next Page Go to Doc#

Refine Search

Search Results -

Terms	Documents
L13 and node	2

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Search: L14

Refine Search

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Clear

Interrupt

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Set Name side by side	Query	Hit Count	Set Name result set
	DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=OR		
L14	L13 and node	2	L14
L13	L12 and (parallel near database)	3	L13
L12	L11 and L2	35	L12
L11	707/$.ccls.	33933	L11
L10	L8 and (parallel near database)	1	L10
L9	L8 and (receiv$3 same tuple) and (parallel near database)	0	L9
L8	L6 and tuple	6	L8
	DB=USPT; PLUR=YES; OP=OR		
L7	L6	5	L7
	DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=OR		
L6	L4 and ("join attribute")	6	L6
	DB=USPT; PLUR=YES; OP=OR		
L5	L4	15	L5
	DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=OR		

L4	L3 and node	23	L4
L3	L2 and join	32	L3
L2	L1 and ("base relation")	37	L2
L1	(materializ$3 or materialis$3) near view	374	L1

END OF SEARCH HISTORY

Refine Search

Search Results -

Terms	Documents
L8 and (parallel near database)	1

Database:
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Search: L10

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Set Name side by side	**Query**	**Hit Count**	**Set Name** result set
	DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=OR		
L10	L8 and (parallel near database)	1	L10
L9	L8 and (receiv$3 same tuple) and (parallel near database)	0	L9
L8	L6 and tuple	6	L8
	DB=USPT; PLUR=YES; OP=OR		
L7	L6	5	L7
	DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=OR		
L6	L4 and ("join attribute")	6	L6
	DB=USPT; PLUR=YES; OP=OR		
L5	L4	15	L5
	DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=OR		
L4	L3 and node	23	L4
L3	L2 and join	32	L3
L2	L1 and ("base relation")	37	L2
L1	(materializ$3 or materialis$3) near view	374	L1

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IEE CNF	IEE Conference Proceeding
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((materializ* <paragraph> view <paragraph> tuple)<in>metadata) Search

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IEEE CNF	IEEE Conference Proceeding
IEE CNF	IEE Conference Proceeding
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(((materializ* <near> view) <and> (base <near> relation) <and> (parallel <near> data

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IEE JNL	IEE Journal or Magazine
IEEE CNF	IEEE Conference Proceeding
IEE CNF	IEE Conference Proceeding
IEEE STD	IEEE Standard

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1. **A comparison of three methods for join view maintenance in parallel RDE**
Luo, G.; Naughton, J.F.; Ellmann, C.J.; Watzke, M.W.;
Data Engineering, 2003. Proceedings. 19th International Conference on
5-8 March 2003 Page(s):177 - 188
AbstractPlus | Full Text: PDF(634 KB) **IEEE CNF**
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2. **Parallel generation of base relation snapshots for materialized view main warehouse environment**
Saeki, S.; Bhalla, S.; Hasegawa, M.;
Parallel Processing Workshops, 2002. Proceedings. International Conference
18-21 Aug. 2002 Page(s):383 - 390
Digital Object Identifier 10.1109/ICPPW.2002.1039755
AbstractPlus | Full Text: PDF(285 KB) **IEEE CNF**
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3. **Making views self-maintainable for data warehousing**
Quass, D.; Gupta, A.; Mumick, I.S.; Widom, J.;
Parallel and Distributed Information Systems, 1996., Fourth International Confe
18-20 Dec. 1996 Page(s):158 - 169
Digital Object Identifier 10.1109/PDIS.1996.568677
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Fotis Barlos, Ophir Frieder

December 1993 **Proceedings of the second international conference on Information and knowledge management**

Publisher: ACM Press

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2 Query evaluation techniques for large databases

Goetz Graefe

June 1993 **ACM Computing Surveys (CSUR)**, Volume 25 Issue 2

Publisher: ACM Press

Full text available: pdf(9.37 MB) Additional Information: full citation, abstract, references, citings, index terms, review

Database management systems will continue to manage large data volumes. Thus, efficient algorithms for accessing and manipulating large sets and sequences will be required to provide acceptable performance. The advent of object-oriented and extensible database systems will not solve this problem. On the contrary, modern data models exacerbate the problem: In order to manipulate large sets of complex objects as efficiently as today's database systems manipulate simple records, query-processi ...

Keywords: complex query evaluation plans, dynamic query evaluation plans, extensible database systems, iterators, object-oriented database systems, operator model of parallelization, parallel algorithms, relational database systems, set-matching algorithms, sort-hash duality

3 Parallel database systems: the future of database processing or a passing fad?

David J. DeWitt, Jim Gray

December 1990 **ACM SIGMOD Record**, Volume 19 Issue 4

Publisher: ACM Press

Full text available: pdf(894.07 KB) Additional Information: full citation, abstract, citings, index terms

The concept of parallel database machines consisting of exotic hardware has been replaced by a fairly conventional shared-nothing hardware base along with a highly parallel dataflow software architecture. Such a design provides speedup and scaleup in processing relational database queries. This paper reviews the techniques used by such systems, and surveys current commercial and research systems.

4 Data placement in shared-nothing parallel database systems
Manish Mehta, David J. DeWitt
February 1997 **The VLDB Journal — The International Journal on Very Large Data Bases**, Volume 6 Issue 1
Publisher: Springer-Verlag New York, Inc.
Full text available: pdf(245.08 KB) Additional Information: full citation, abstract, citings, index terms

Data placement in shared-nothing database systems has been studied extensively in the past and various placement algorithms have been proposed. However, there is no consensus on the most efficient data placement algorithm and placement is still performed manually by a database administrator with periodic reorganization to correct mistakes. This paper presents the first comprehensive simulation study of data placement issues in a shared-nothing system. The results show that current hardware techn ...

Keywords: Declustering, Disk allocation, Resource allocation, Resource scheduling

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Terms used **receiving first tuple base relation partitioned second node parallel database join attribute auxiliary relation join view**

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Publisher: ACM Press
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Terms used **receiving first tuple** **base relation partitioned** **first node** **parallel database** **plural nodes** **join attribute** **auxiliary relation**

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